TATES PATENT AND TRADEMARK OFFICE

In re Application of:

Atsushi HAYAMI

Serial No. 09/989.395

Filed: November 21, 2001

For: MODULATION SYSTEM

Technology Center 2600

Examiner:

Art Unit:

Atty Docket: 0102/0189

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILED PURSUANT TO 37 CFR 1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

For insuring compliance with the applicants' duty of disclosure under 37 CFR §1.56, the undersigned hereby submits the documents listed on the attached Form PTO-1449 for consideration by the Examiner in charge of the above-identified patent application.

These documents are being submitted

[] within three months of the filing of the above U.S. national application or of the date of entry of the U.S. national stage in an International Patent Application (no fee is due); (37 CFR §1.97(b))

before receiving a first Office Action on the merits of the above-identified [XX] patent application (no fee is due); (37 CFR §1.97(b))

following receipt of a first Office Action, but before issuance of a Final []Office Action or a Notice of Allowance (if this box is checked, one of the last three boxes also must be checked); (37 CFR §1.97(c))

concurrently with the filing of the RCE pursuant to 37 CFR 1.114 OR following receipt of a Notice of Allowance or a Final Office Action. The undersigned hereby requests consideration of this Information Disclosure Statement after the mailing the Final Office Action or Notice of Allowance by filing this Information Disclosure Statement under 37 CFR §1.97(d) The Commissioner is authorized to debit \$180.00 for payment of the fee set forth in 37 CFR § 1.17(p). (37 CFR §1.97(d)(2)) [XX] The undersigned certifies that each item of this information is being submitted within three months of the date it was cited by the European Patent Office in a counterpart application. (37 CFR §1.97(e)(1)) The undersigned certifies that, after making reasonable inquiry, he/she has no knowledge that any item of this information was cited by a foreign patent office in a counterpart application or was known more than three months prior to this submission. (37 CFR §1.97(e)(2))

The Commissioner is hereby authorized to charge payment of any deficiency in the above fee(s) or to charge any additional fees required under 37 CFR § 1.16 or 1.17 or credit any overpayment to Deposit Account No. 50-0501. A duplicate copy of this authorization is attached for the Finance Branch.

Respectfully submitted,

Louis Woo, Reg. No. 31,730

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Alexandria, Virginia 22314

Phone: (703) 299-4090

Date: Och 26, 2004

FORM PTO-1449 0CT 2 6 2004 CS

Atty Docket 0102/0189 Serial No.

09/989,395

Applicant

Atsushi HAYAMI

Filing Date November 21, 2001 Group Art Unit

		U.S. PATEN	T DOCUMENTS			·
	Document Number	Date	Name	Class	Sub- Class	Filing Date
AA	5,734,341	03/31/1998	Walker			11/01/1996
AB	4,547,890	10/15/1985	Gindi	,		09/28/1982
AC	4,520,346	05/28/1985	Shimada			04/23/1982
AD						
AE				BF	ECE	VED
AF			::::::::::_	_		
AG	1/45 - A - 1/4 FAA		· · · · · · · · · · · · · · · · · · ·			
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ΑI			Marie Control of the			•
AJ	79°40 - 18.1					
AK						
	F	OREIGN PAT	ENT DOCUMENTS			
	Document Number	Date	Country	Class	Sub- Class	Trans- lation
AL						
AM						
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	AB AC AD AE AF AG AH AI AJ AK AN AN AO AP AR AR AR	Number	Document Number Date AA 5,734,341 03/31/1998 AB 4,547,890 10/15/1985 AC 4,520,346 05/28/1985 AD AE A AF AG A AH AH AH AJ AH AH AK BOCUMENT Number Date AL AM AH AN AN AH AN AN AH AP AN AH AR AN AH AR AR AH	Document Number Date Name	Document Number Date Name Class	Name

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



Europäisches Patentamt

Zweigstelle in Den Haag Recherchenabteilung

European Patent Office

Branch at The Hague Search division Office européen des brevets

Département à La Haye Division de la recherche

Senior, Alan Murray J.A. KEMP & CO., 14 South Square, Gray's Inn London WC1R 5JJ GRANDE BRETAGNE J.A. KEMP & Co.

Rec'd. 1 5 SEP 2004

Action by.....

Datum/Date	
15.09.04	
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Zeichen/Ref./Réf.

N.84266 AMS/JGL

Anmeldung Nr./Application No./Demande n° ./Patent Nr./Patent No./Brevet n° . 02250040.9-2223-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Victor Company of Japan, Ltd.

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above—mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

Abstract

X title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

12

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



EUROPEAN SEARCH REPORT

Application Number EP 02 25 0040

	DOCUMENTS CONSIDERE	D TO BE RELEVANT	T	
Category	Citation of document with indicat of relevant passages	ion, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
A	US 5 734 341 A (WALKER HULME) 31 March 1998 (* column 6, line 11 - claim 1 *	1998-03-31)	1-15	H03M5/14 G11B20/14
A	US 4 547 890 A (GINDI 15 October 1985 (1985- * column 6, line 63 -	10-15)	1	·
A	US 4 520 346 A (SHIMAD 28 May 1985 (1985-05-2 	A TOSHIYUKI) 8) 		
				TECHNICAL FIELDS
				SEARCHED (Int.CI.7) H03M G11B
:				
	The present search report has been		<u> </u>	- inat
	Place of search The Hague	Date of completion of the search 8 September 2004	Dev	ergranne, C
X : part Y : part doc A : tech O : nor	ATEGORY OF CITED DOCUMENTS dicularly relevant if taken alone dicularly relevant if combined with another dument of the same category disclosure disclosure disclosure disclosure	T: theory or princip E: earlier patent do after the filling da D: document cited L: document cited f	cument, but publite in the application of the reasons	ished on, Or

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

08-09-2004

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 57.34341	A	31-03-1998	DE EP JP JP US	69432038 D1 0629068 A1 2875160 B2 7170297 A 5692021 A	27-02-2003 14-12-1994 24-03-1999 04-07-1995 25-11-1997
US 4547890	Α	15-10-1985	NONE		
US 4520346	Α .	28-05-1985	JP AU CA DE FR GB NL	57176866 A 5552723 B2 8291082 A 1180450 A1 3215179 A1 2504755 A1 2101854 A , B 8201725 A	30-10-1982 19-06-1986 28-10-1982 01-01-1985 09-12-1982 29-10-1982 19-01-1983 16-11-1982